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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	09/670,230
Filing Date	September 28, 2000
First Named Inventor	Andrew R. Barron
Group Art Unit	1771
Examiner Name	Hai Vo
Attorney Docket Number	1789-02202

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### ENCLOSURES (check all that apply)

Fee Transmittal Form  
 Fee Attached  
 Amendment/Reply  
 After Final  
 Affidavits/declaration(s)  
 Extension of Time Request  
 Express Abandonment Request  
 Information Disclosure Statement  
 Certified Copy of Priority Document(s)  
 Response to Missing Parts/  
Incomplete Application  
 Response to Missing Parts  
under 37 CFR 1.52 or 1.53

Assignment  
(for an application)  
 Drawing(s)  
 Licensing-related Papers  
 Petition  
 Petition to Convert to a  
Provisional Application  
 Power of Attorney, Revocation  
Change of Correspondence Address  
 Terminal Disclaimer  
 Request for Refund  
 CD, Number of CD(s)

After Allowance Communication  
to Group  
 Appeal Communication to Board  
of Appeals and Interferences  
 Appeal Communication to Group  
(Appeal Notice, Brief, Reply Brief)  
 Proprietary Information  
 Status Letter  
 Other Enclosure(s) (please  
identify below):  
Response to Office Action Dated  
September 11, 2002 (11 p.); and  
acknowledgement postcard

Remarks

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TC 1700

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm  
Or  
Individual Name

Marcella D. Watkins, 36,962

Signature

Date

November 12, 2002

### CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on this date: November 12, 2002.

Typed or Printed Name

Sandra K. Begley

Signature

Date

November 12, 2002

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NOV 18 2002  
PATENT & TRADEMARK OFFICE

# FEE TRANSMITTAL For FY 2002

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** \$ 00.00

**METHOD OF PAYMENT (Check all that apply)**

Check  Credit Card  Money Order  Other  None

Deposit Account:  
Deposit Account Number: 03-2769  
Deposit Account Name: Conley, Rose & Tayon, P.C.

The Commissioner is hereby authorized to: (check all that apply)  
 Charge fee(s) indicated below  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

**FEE CALCULATION**

**1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 740	201 370	Utility filing Fee	\$
106 330	206 165	Design filing fee	\$
107 510	207 255	Plant filing fee	\$
108 740	208 370	Reissue filing fee	\$
114 160	214 80	Provisional filing fee	\$

**SUBTOTAL (1) \$**

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	41	- 42	= 0	x	Fee from below	Fee Paid
Independent Claims	1	1	= 0	x	18.00	= \$00.00
Multiple Dependent					84.00	= \$00.00
					280.00	= \$00.00

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 84	202 42	Independent Claims in excess of 3
104 280	204 140	Multiple dependent claim, if not paid
109 84	209 42	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2) \$00.00**

\*\* or number previously paid, if greater; For Reissues, see above

**SUBMITTED BY**

Name (Print/Type)

Marcella D. Watkins

Signature

PTO/SB/017 (10-01)  
Applicable for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
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Complete if Known

Application Number	09/670,230
Filing Date	September 28, 2000
First Named Inventor	Andrew R. Barron
Examiner Name	Hai Vo
Group Art Unit	1771
Attorney Docket No.	1856-02202

**FEE CALCULATION (continued)**

**3. ADDITIONAL FEES**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	\$
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	\$
139 130	139 130	Non-English specification	\$
147 2,520	147 2,520	For filing a request for <i>ex parte</i> reexamination	\$
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	\$
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	\$
115 110	215 55	Extension for reply within first month	\$
116 400	216 200	Extension for reply within second month	\$
117 920	217 460	Extension for reply within third month	\$
118 1,440	218 720	Extension for reply within fourth month	\$
128 1,960	228 980	Extension for reply within fifth month	\$
119 320	219 160	Notice of Appeal	\$
120 320	220 160	Filing a brief in support of an appeal	\$
121 280	221 140	Request for oral hearing	\$
138 1,510	138 1,510	Petition to institute a public use proceeding	\$
140 110	240 55	Petition to revive - unavoidable	\$
141 1,280	241 640	Petition to revive - unintentional	\$
142 1,280	242 640	Utility issue fee (or reissue)	\$
143 460	243 230	Design issue fee	\$
144 620	244 310	Plant issue fee	\$
122 130	122 50	Petitions to the Commissioner	\$
123 50	123 123	Petitions related to provisional applications	\$
126 180	126 180	Submission of Information Disclosure Stmt	\$
581 40	581 40	Recording each patent assignment per property (times number of properties)	\$
146 740	246 370	Filing a submission after final rejection (37 CFR § 1.129(a))	\$
149 740	249 370	For each additional invention to be examined (37 CFR § 1.129(b))	\$
179 740	279 370	Request for Continued Examination (RCE)	\$
169 900	169 900	Request for expedited examination of a design application	\$

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) \$**

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Complete (if applicable)

1700  
(713) 238-8000

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: ANDREW R. BARRON, et.al.

SERIAL NO.: 09/670,230

FILED: September 28, 2000

FOR: Chemical Control Over Ceramic  
Porosity Using Carboxylate-  
Alumoxanes

GROUP ART UNIT: 1771

EXAMINER: Hai Vo

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RESPONSE TO OFFICE ACTION DATED SEPTEMBER 11, 2002

Atty. Dkt. No.: 1789-02202  
Date: November 12, 2002

Commissioner for Patents  
Washington, D. C. 20231

Sir:

Applicants acknowledge the Office Action dated September 11, 2002. In response, Applicants request that the above-identified application be amended as follows:

AMENDMENT

In the Claims:

Please replace claims 39, 52, 53, 61, and 73-81 with the following. A marked-up copy of the claims showing the amendments is appended hereto, along with a clean copy of all pending claims.

1) (Amended) A method of controlling the porosity and pore size distribution of aluminum oxide based ceramic bodies comprising  
reacting boehmite with a carboxylic acid to produce carboxylate-alumoxane nanoparticles,

drying the carboxylate-alumoxane nano-particles,  
re-dissolving the carboxylate-alumoxane nanoparticles in a solvent,  
evaporating the solvent so as to deposit the nanoparticles on a substrate,  
firing the deposited nanoparticles at a temperature greater than 300°C so as to form  
an aluminum oxide based ceramic body.

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